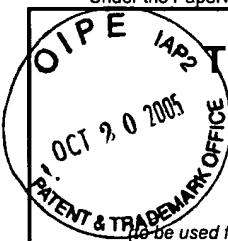


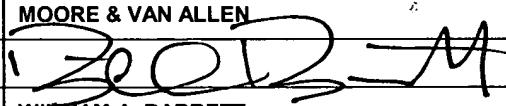
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 <b>TRANSMITTAL FORM</b> <small>(to be used for all correspondence after initial filing)</small>		Application Number <b>10/774,903</b>
Total Number of Pages in This Submission <b>197</b>	Filing Date <b>February 10, 2004</b>	
	First Named Inventor <b>Ekwuribe, Nnochiri N.</b>	
	Art Unit <b>1654</b>	
	Examiner Name <b>Jeffrey E. Russell</b>	
	Attorney Docket Number <b>014811-189.74CT</b>	

**ENCLOSURES (check all that apply)**

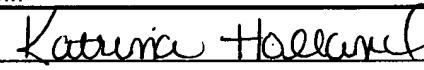
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Group
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group ( <i>Appeal Notice, Brief, Reply Brief</i> )
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) ( <i>please identify below</i> ): <b>Copies of 13 foreign patent publications and 5 journal publication articles;</b> <b>Check in the amount of \$180.00; and</b> <b>Acknowledgement Postcard</b>
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	
<input checked="" type="checkbox"/> Second Supplemental Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Documents	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	<input type="checkbox"/> Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	<b>MOORE &amp; VAN ALLEN</b>		
Signature			
Printed Name	<b>WILLIAM A. BARRETT</b>		
Date	<b>October 18, 2005</b>	Reg. No.	<b>42,296</b>

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature			
Typed or printed name	<b>Katrina Holland</b>	Date	<b>October 18, 2005</b>

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL

## For FY 2005

 Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$)**180.00****Complete if Known**

Application Number	<b>10/774,903</b>
Filing Date	<b>February 10, 2004</b>
First Named Inventor	<b>Ekwuribe, Nnochiri N.</b>
Examiner Name	<b>Jeffrey E. Russell</b>
Art Unit	<b>1654</b>
Attorney Docket No.	<b>014811-189.74CT</b>

**METHOD OF PAYMENT** (check all that apply)
 Check  Credit Card  Money Order  None  Other (please identify): \_\_\_\_\_

 Deposit Account Deposit Account Number: **13-4365** Deposit Account Name: **Moore & Van Allen PLLC**

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

- |   |   |
|---|---|
| <input type="checkbox"/> Charge fee(s) indicated below                                      | <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee |
| <input checked="" type="checkbox"/> Charge any additional fee(s) or underpayments of fee(s) | <input checked="" type="checkbox"/> Credit any overpayments                       |
- under 37 CFR 1.16 and 1.17

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

<b>Application Type</b>	<b>FILING FEES</b>		<b>SEARCH FEES</b>		<b>EXAMINATION FEES</b>		
	<b>Fee (\$)</b>	<b>Small Entity</b>	<b>Fee (\$)</b>	<b>Small Entity</b>	<b>Fee (\$)</b>	<b>Small Entity</b>	<b>Fees Paid (\$)</b>
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

**2. EXCESS CLAIM FEES****Fee Description**

Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent

<b>Small Entity</b>
50

<b>Fee (\$)</b>	<b>Fee (\$)</b>
25	

Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent

200	100
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Multiple dependent claims

360	180
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Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims
- 20 or HP =	x	=		

HP = highest number of total claims paid for, if greater than 20

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
- 3 or HP =	x	=	

HP = highest number of independent claims paid for, if greater than 3

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity)

for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x	=	

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

**Fee Paid (\$)**Other: **Surcharge Fee for Second Supplemental Information Disclosure Statement** \_\_\_\_\_**180.00****SUBMITTED BY**

Signature		Registration No. (Attorney/Agent) 42,296	Telephone 919/286-8000
Name (Print/Type)	William A. Barrett		Date 10/18/2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Attorney Docket: 014811-189.74CT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Nnochiri N. Ekwuribe, et al.

Group Art Unit: 1654

Serial Number: 10/774,903

Examiner: Jeffrey E. Russell

Filed: February 10, 2004

For: DRUG-OLIGOMER CONJUGATES WITH POLYETHYLENE GLYCOL COMPONENTS

Mail Stop Amendment  
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**SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. § 1.56 AND 37 C.F.R. § 1.97**

It is respectfully requested that the documents listed on the attached FormS PTO/SB/08a and PTO/SB/08b be considered by the Patent and Trademark Office in the above-referenced application and made of record therein. Full text copies of the relevant foreign patent publications and published journal articles are enclosed. The requisite fee of \$180.00 pursuant to CFR §1.17(p) is enclosed herewith. The Commissioner is hereby authorized to debit any extra amount owed or to credit any extra amount paid to **Deposit Account No. 13-4365**.

Respectfully submitted,

By:

William A. Barrett  
Registration No. 42,296  
Attorney for Applicants  
Moore & Van Allen, PLLC  
430 Davis Dr., Suite 500  
Morrisville, NC 27560-6832  
Phone: 919-286-8000  
Facsimile: 919-286-8199

October 18, 2005

Date

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the US Postal Service as first class mail on October 18, 2005, in an envelope addressed to Commissioner of Patents, PO Box 1450, Alexandria, VA 22313-1450

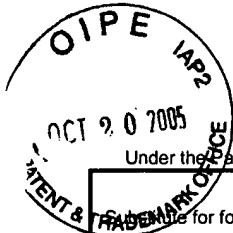
Katriina Holland

10/21/2005 HLE333 00000106 10774903

01 FC:1806

180.00 OP

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PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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for form 1449A/PTOSECOND SUPPLEMENTAL  
INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

Sheet

1

of

2

## Complete if Known

Application Number	10/774,903
Filing Date	February 10, 2004
First Named Inventor	Ekwuribe, Nnochiri N.
Art Unit	1654
Examiner Name	Jeffrey E. Russell

Attorney Docket Number

014811-189.74CT

## U.S. PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
B1	US- 2003/0153488 a1		08/14/2003	May et al.	
B2	US- 2003/0060606 A1		03/27/2003	Ekwuribe et al.	
B3	US- 6,506,730 B1		01/14/2003	Lee et al.	
B4	US- 5,773,581		06/30/1998	Camble et al.	
B5	US- 5,108,568		04/28/1992	Van Alstine	
B6	US- 4,526,938		07/02/1985	Churchill et al.	
	US-				

## FOREIGN PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
B7	WO 2003/022996 A3		03/20/2003	Nobex Corporation		
B8	WO 2003/022996 A2		03/20/2003	Nobex Corporation		
B9	WO 03 022210 A3		03/20/2003	Nobex Corporation		
B10	WO 03/022210 A2		03/20/2003	Nobex Corporation		
B11	WO 03/022208 A3		03/20/2003	Nobex Corporation		
B12	WO 03/022208 A2		03/20/2003	Nobex Corporation		
B13	WO 02/098446 A1		12/12/2002	Nobex Corporation		
B14	WO 02/098232 A1		12/12/2002	Nobex Corporation		
B15	WO 00/78302 A1		12/28/2000	Protein Delivery Inc.		
B16	WO 00/43034 A3		07/27/2000	Eli Lilly and Company		
B17	WO 00/43034		07/27/2000	Eli Lilly and Company		
B18	EP 0 381 070 A1		08/08/1990	Farmhispania S.A.		
B19	EP 0 354 855 B1		02/14/1990	Terumo Kabushiki Kaisha		
B20	EP 0 092 918 B1		11/02/1983	Imperial Chemical Industries PLC		

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO				<b><i>Complete if Known</i></b>	
				Application Number	10/774,903
				Filing Date	February 10, 2004
				First Named Inventor	Ekwuribe, Nnochiri N.
				Art Unit	1654
				Examiner Name	Jeffrey E. Russell
<b>SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>					
Sheet	2	of	2	Attorney Docket Number	
014811-189.74CT					

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
	B21	SAMUEL ZALIPSKY; Synthesis of an End-Group Functionalized Polyethylene Glycol-Lipid Conjugate for Preparation of Polymer-Grafted Liposomes; Bioconjugate Chemistry; 1993; No. 4, pp. 296-299; American Chemical Society			
	B22	KANG CHOON LEE et al.; Isolation, Characterization, and Stability of Positional Isomers of Mono-PEGylated Salmon Calcitonins; Pharmaceutical Research; 1999; Vol. 16, No. 6, pp. 813-818; Plenum Publishing Corporation			
	B23	HAESHIN LEE et al.; Preparation and Characterization of Mono-PEGylated Epidermal Growth Factor: Evaluation of <i>in Vitro</i> Biologic Activity; Pharmaceutical Research; 2002; Vol. 19, No. 6, pp. 845-851; Plenum Publishing Corporation			
	B24	ANDREA LUCKE et al.; Biodegradable poly(D,L-lactic acid)-poly(ethylene glycol)-monomethyl ether diblock copolymers: structures and surface properties relevant to their use as biomaterials; Biomaterials; 2000; 21, pp. 2361-2370; Elsevier Science Ltd.			
	B25	JONG-HOON LEE et al.; Polymeric nanoparticle composed of fatty acids and poly(ethylene glycol) as a drug carrier; International Journal of Pharmaceutics; 2003; 251, pp. 23-32; Elsevier Science B.V.			

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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